



#12

SEQUENCE LISTING

<110> KNAUF, VIC C.
KRIDL, JEAN C.

<120> METHODS AND COMPOSITIONS FOR REGULATED TRANSCRIPTION
AND EXPRESSION OF HETEROLOGOUS GENES

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<141> 2001-02-12

<150> US 09/232,861

<151> 1999-01-15

<150> US 08/812,665

<151> 1997-03-07

<150> US 08/484,941

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<150> US 07/054,369

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<150> US 07/742,834

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<150> US 07/147,781

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Asp	Gly	Cys	Met	Gly	Gly	Tyr	Met	Asn	Ser	Ala	Phe	Asn	Tyr	Thr	Met		
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Lys	Gly	Phe	Glu	Asp	Val	Pro	Ala	Asn	Asp	Glu	Lys	Ala	Leu	Met	Lys		
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Ala	Val	Ala	His	His	Pro	Val	Ser	Ile	Gly	Ile	Ala	Gly	Gly	Asp	Ile		
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<400> 7

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Tyr Ala Asp Ala Asn Glu Lys Asn Asn Arg Tyr Ala Val Phe Lys Arg	50	55	60
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Phe Lys Leu Ala Val Asn Gln Phe Ala Asp Leu Thr Asn Glu Glu Phe	85	90	95
Arg Ser Met Tyr Thr Gly Phe Lys Gly Asn Ser Val Leu Ser Ser Arg	100	105	110
Thr Lys Pro Thr Ser Phe Arg Tyr Gln Asn Val Ser Ser Asp Ala Leu	115	120	125
Pro Val Ser Val Asp Trp Arg Lys Lys Gly Ala Val Thr Pro Ile Lys	130	135	140
Asp Gln Gly Leu Cys Gly Ser Cys Trp Ala Phe Ser Ala Val Ala Ala	145	150	155
Ile Glu Gly Val Ala Gln Ile Lys Lys Gly Lys Leu Ile Ser Leu Ser	165	170	175
Glu Gln Glu Leu Val Asp Cys Asp Thr Asn Asp Asp Gly Cys Met Gly	180	185	190
Gly Tyr Met Asn Ser Ala Phe Asn Tyr Thr Met Thr Thr Gly Gly Leu	195	200	205
Thr Ser Glu Ser Asn Tyr Pro Tyr Lys Ser Thr Asp Gly Thr Cys Asn	210	215	220
Phe Asn Lys Thr Lys Gln Ile Ala Thr Ser Ile Lys Gly Phe Glu Asp	225	230	235
Val Pro Ala Asn Asp Glu Lys Ala Leu Met Lys Ala Val Ala His His	245	250	255
Pro Val Ser Ile Gly Ile Ala Gly Gly Asp Ile Gly Phe Gln Phe Tyr	260	265	270
Ser Ser Gly Val Phe Ser Gly Glu Cys Thr Thr His Leu Asp His Gly	275	280	285
Val Thr Ala Val Gly Tyr Gly Arg Ser Lys Asn Gly Leu Lys Tyr Trp	290	295	300
Ile Leu Lys Asn Ser Trp Gly Pro Lys Trp Gly Glu Arg Gly Tyr Met			

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[illegible]

<213> Lycopersicon esculentum

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      35           40           45
Lys Leu Leu Pro Thr Asn Ile Leu Gly Leu Cys Asn Glu Pro Cys Ser
      50           55           60
Ser Asn Ser Asp Cys Ile Gly Ile Thr Leu Cys Gln Phe Cys Lys Glu
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<210> 11

<211> 14

<212> PRT

<213> Lycopersicon esculentum

<400> 11

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<210> 12

<211> 18

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<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Protease
inhibitor PA1b peptide sequence

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Cys Ile

<210> 13

<211> 13

<212> PRT

<213> Pisum sp.

<400> 13

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<213> Phaseolus limensis

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<210> 15
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<213> Homo sapiens

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<210> 16
<211> 18
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<213> Lycopersicon esculentum

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Cys Ile

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Cys Arg

<210> 18
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<213> Hordeum vulgare

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<210> 19
<211> 16
<212> PRT
<213> Triticum sp.

<400> 19
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1 5 10 15

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<213> Triticum sp.

<400> 20
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<210> 21
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<213> Panicum miliaceum

<400> 21
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1 5 10 15

Thr Ala Cys Gly
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<210> 22
<211> 18
<212> PRT
<213> Ricinus communis

<400> 22
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Gly Gln

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<211> 18
<212> PRT
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<220>
<223> Description of Unknown Organism: Napin small
subunit peptide sequence

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Gln Ser

<210> 24

<211> 4656

<212> DNA

<213> Lycopersicon esculentum

<220>

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<220>

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<212> PRT

<213> Lycopersicon esculentum

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Val	Met	Ala	Leu	Arg	Asp	Ile	Pro	Pro	Gln	Glu	Thr	Leu	Leu	Lys	Met
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Lys	Leu	Leu	Pro	Thr	Asn	Ile	Leu	Gly	Leu	Cys	Asn	Glu	Pro	Cys	Ser
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Ser	Asn	Ser	Asp	Cys	Ile	Gly	Ile	Thr	Leu	Cys	Gln	Phe	Cys	Lys	Glu
65					70					75					80

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<213> Lycopersicon esculentum

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<211> 16

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<213> Artificial Sequence

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<211> 43

<212> DNA

<213> Artificial Sequence

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 32
actttctcaa ctgtctctgg ttttagcagc

29

<210> 33
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 33
Ala Ala Lys Pro Glu Thr Val Glu Lys Val
1 5 10

<210> 34
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 34
cttaagaagt aaccgggct gcagttttag tattaagag

39

<210> 35
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide polylinker sequence

<400> 35
agctcgtac cgaattcgag ctcggtac

28